

STATE OF TENNESSEE DEPARTMENT OF HEALTH **ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL Lab Services - Jackson Regional Lab Jackson, TN 38301 731-426-0686

TDH: Lab Services KRL Lab Services - Knoxville Regional Lab Knoxville, TN 37920 865-549-5201

TDH: Lab Services NCL Lab Services - Nashville Central Lab Nashville, TN 37243 615-262-6300

Sent To:

Greg Denton

TDEC-WPC

6th Floor, L & C Tower Annex

401 Church Street

Nashville, TN 37243-1534

Michael Atchley **TDEC-WPC**

Knoxville FO

3711 Middlebrook Pike

Knoxville, TN 37921

Lab ID: K00002233

Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Water Pollution Control

Billing Code:

327.34-20

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

K00002233001

Project Name:

TVA-Ash Spill Trip Blank

Sample Description: Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

Date/Time Collected:

03/19/2009 07:45

Sampler's Name:

Larry Everett

County: Sample Matrix: ROANE - 73 Water

EFO:

Knoxville

Sampling Agency: Billing Code:

TDEC-WPC 327.34-20

Send Report To: **Agency Invoiced:**

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

pH:

Chlorine, residual: Conductivity: Temperature: Dissolved Oxygen:

Other:

Flow:

CFS

TEST: Alkalinity, Total	MET	THOD: EPA 31				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	U	mg/L	3.8	10	M Chen	3/20/2009

TEST: Hardness, Calcium	ME.					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	U	mg/L	0.7	1	M Chen	3/20/2009

TEST: Residue, Suspended	ME.					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233002

Project Name:

TVA-Ash Spill

Sample Description:

Sampler Project Name: TVA Ash Spill

Emory River mile 12.1

Project Site No.:

Station No.:

EMORY012.1RO

Date/Time Collected:

03/19/2009 08:50

Sampler's Name: County:

Larry Everett

Sample Matrix:

ROANE - 73

EFO:

Water

Sampling Agency:

Knoxville TDEC-WPC

Billing Code: Send Report To:

Date/Time Received:

327.34-20 TDEC-WPC

Priority Date:

Agency Invoiced: TDEC-WPC

> 03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

:Ha 7.19

Chlorine, residual:

pH Units

Conductivity:

47 11.13 uMHO

Temperature: Dissolved Oxygen: 10.60

mg/L

Other:

Flow:

CFS

TEST: Alkalinity, Total METHOD: EPA 310.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	9.1J	mg/L	3.8	10	M Chen	3/20/2009

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Calcium hardness	11	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Settleable METHOD: SM 2540F						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended	METHOD: SM 2540D					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233003

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1 Field blank

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY002.1RO-FB

Date/Time Collected: Sampler's Name:

03/19/2009 09:47

Larry Everett

County:

ROANE - 73

Sample Matrix:

Water

EFO: Sampling Agency: Knoxville

Billing Code:

TDEC-WPC 327.34-20

Send Report To: Agency Invoiced:

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

pH:

Chlorine, residual: Conductivity: Temperature:

Dissolved Oxygen:

Other: Flow:

CFS

TEST: Alkalinity, Total METHOD: EPA 310.2							
ANALYTE	RESULT	ANALYZED BY:	DATE				
Total Alkalinity	U	mg/L	3.8	10	M Chen	3/20/2009	

TEST: Hardness, Calcium	WE.						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Calcium hardness	U	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Suspended	METHOD: SM 2540D							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE		
Total Suspended Solids	U	mg/L	10	10	A Peeples	3/20/2009		

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233004

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY002.1RO

Date/Time Collected:

03/19/2009 09:50

Sampler's Name: County:

Larry Everett ROANE - 73

Sample Matrix:

Water

EFO:

Knoxville

Sampling Agency: **Billing Code:**

TDEC-WPC 327.34-20

Send Report To: Agency Invoiced:

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations 7.23 pH:

Dissolved Oxygen: 11.22

Chlorine, residual:

Conductivity:

80

pH Units **uMHO**

Temperature:

11.69

mg/L

Other:

Flow:

CFS

TEST: Alkalinity, Total	METHOD: EPA 310.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Total Alkalinity	24	mg/L	3.8	10	M Chen	3/20/2009	

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE		
Calcium hardness	24	mg/L	0.7	1	M Chen	3/20/2009		

TEST: Residue, Settleable	METHOD: SM 2540F					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended METHOD: SM 2540D							
ANALYTE	RESULT	UNITS	MDL.	MQL	ANALYZED BY:	DATE	
Total Suspended Solids	57	mg/L	10	10	A Peeples	3/20/2009	

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233005

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1 duplicate

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

Date/Time Collected:

EMORY002.1RO-FD

Sampler's Name:

03/19/2009 09:52

County:

Larry Everett

Sample Matrix:

ROANE - 73 Water

EFO:

Knoxville

Sampling Agency:

TDEC-WPC

Billing Code: Send Report To: 327.34-20 **TDEC-WPC**

Agency Invoiced:

TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

TEST: Alkalinity, Total	WE.					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	24	mg/L	3.8	10	M Chen	3/20/2009

Field Determinations

Dissolved Oxygen: 11.22

Chlorine, residual:

Conductivity:

Temperature:

:Hq

Other: Flow:

7.22

79

11.69

pH Units

uMHO

mg/L

CFS

TEST: Hardness, Calcium	T: Hardness, Calcium METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Calcium hardness	25	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Settleable	METHOD: SM 2540F					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended	METHOD: SM 2540D					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	45	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233006

Project Name:

TVA-Ash Spill

Sample Description: Sampler Project Name: TVA Ash Spill

Ash Treatment Outfall

10:05

Project Site No.:

Station No.:

Date/Time Collected:

03/19/2009

Sampler's Name:

Larry Everett

County: Sample Matrix: **ROANE - 73**

EFO:

Water

Sampling Agency:

Knoxville **TDEC-WPC**

Billing Code: Send Report To: Agency Invoiced:

Date/Time Received:

327.34-20 TDEC-WPC **TDEC-WPC**

Priority Date:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations pH:

Chlorine, residual:

Conductivity: Temperature:

Dissolved Oxygen:

Other: Flow:

CFS

TEST: Alkalinity, Total METHOD: EPA 310.2							
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Total Alkalinity	29	mg/L	3.8	10	M Chen	3/20/2009	

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D					
ANALYTE	RESULT U	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	46	mg/L	0.7	1	M Chen	3/20/2009

TEST: Residue, Settleable METHOD: SM 2540F							
ANALYTE	RESULT	UNITS MDL		MQL	ANALYZED BY:	DATE	
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009	

TEST: Residue, Suspended	METHOD: SM 2540D					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	37	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit MQL - Method Quantitation Limit

K00002233007

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 1.7

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY001.7RO

Date/Time Collected: Sampler's Name:

03/19/2009 10:15

County:

Larry Everett

Sample Matrix:

ROANE - 73

EFO:

Water Knoxville

Sampling Agency:

TDEC-WPC 327.34-20

Billing Code: Send Report To:

Date/Time Received:

TDEC-WPC TDEC-WPC

Agency Invoiced: **Priority Date:**

Received By:

Ken Hitchman

03/19/2009 13:50 **Field Determinations**

pH: 6.93

Chlorine, residual:

Conductivity:

47 **uMHO**

Temperature: 11.12

Dissolved Oxygen: 11.46

Other:

Flow:

CFS

mg/L

pH Units

TEST: Alkalinity, Total	METHOD: EPA 310.2					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	11	mg/L	3.8	10	M Chen	3/20/2009

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MQL	MQL ANALYZED BY:			
Calcium hardness	13	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Settleable	METHOD: SM 2540F						
ANALYTE	RESULT UNITS MDL MQL ANALYZED					Y: DATE	
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009	

TEST: Residue, Suspended	WE.	THOD: SM 254	0D			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233008

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 0.1

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY000.1RO

Date/Time Collected: Sampler's Name:

03/19/2009 10:25

County:

Larry Everett **ROANE - 73**

Sample Matrix:

Water

EFO: Sampling Agency: Knoxville

Billing Code:

TDEC-WPC 327.34-20

Send Report To: Agency Invoiced:

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

TEST: Alkalinity, Total	METHOD: EPA 310.2					
ANALYTE	RESULT UNITS MDL MQL ANALYZED BY:					DATE
Total Alkalinity	8.0J	mg/L	3.8	10	M Chen	3/20/2009

Field Determinations

Dissolved Oxygen: 11.52

Chlorine, residual:

Conductivity:

Temperature:

6.87

46

11.04

pH Units

uMHO

mg/L

CFS

pH:

Other: Flow:

TEST: Hardness, Calcium	ME	THOD: SM 350				
ANALYTE	RESULT	UNITS	MDL.	MQL	ANALYZED BY:	DATE
Calcium hardness	12	mg/L	0.7	1	M Chen	3/20/2009

TEST: Residue, Settleable	ME.	METHOD: SM 2540F				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	Ų	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended METHOD: SM 2540D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

K00002233009

Project Name:

TVA-Ash Spill

Sample Description:

Sampler Project Name: TVA Ash Spill

Clinch River mile 2.3 near Hwy 70 bridge

Project Site No.:

5

Station No.:

CLINC002.3RO

Date/Time Collected:

03/19/2009 10:40

Sampler's Name:

Larry Everett

County:

ROANE - 73

Sample Matrix:

Water

EFO:

Sampling Agency:

Knoxville TDEC-WPC

Billing Code:

327.34-20

Send Report To: Agency Invoiced: TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

TEST: Alkalinity, Total

03/19/2009 13:50

Received By:

ANALYTE

Total Alkalinity

Ken Hitchman

ME	THOD: EPA 31	0.2			
RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
58	mg/L	3.8	10	M Chen	3/20/2009

Field Determinations

Dissolved Oxygen: 11.98

Chlorine, residual:

Conductivity:

Temperature:

7.28

138

11.87

pH Units

uMHO

mg/L

CFS

pH:

Other:

Flow:

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D						
ANALYTE	RESULT UNITS MDL MQL ANALYZED BY					DATE	
Calcium hardness	45	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Settleable METHOD: SM 2540F						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended METHOD: SM 2540D						
ANALYTE	RESULT	UNITS MDL		MQL	ANALYZED BY:	DATE
Total Suspended Solids	12	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

Page 10 of 11

K00002233010

Project Name:

TVA-Ash Spill

Sample Description:

Clinch River mile 4.5 near Sugar Grove Valley F Chlorine, residual:

Field Determinations

Dissolved Oxygen: 12.78

Conductivity:

Temperature:

7.75

251

11.56

pH Units

uMHO

mg/L

CFS

pH:

Other:

Flow:

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

CLINC004.5RO

Date/Time Collected:

03/19/2009 10:50

Sampler's Name:

Larry Everett

County:

ROANE - 73

Sample Matrix: EFO:

Water

Sampling Agency:

Knoxville

Billing Code:

TDEC-WPC 327.34-20

Send Report To: Agency Invoiced:

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

TEST: Alkalinity, Total	WE.	THOD: EPA 31				
ANALYTE	RESULT UNITS MI		MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	110	mg/L	3.8	10	M Chen	3/20/2009

TEST: Hardness, Calcium	METHOD: SM 3500-Ca D						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Calcium hardness	91	mg/L	0.7	1	M Chen	3/20/2009	

TEST: Residue, Settleable	ME.	THOD: SM 254	0F			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	3/20/2009

TEST: Residue, Suspended	ME.	THOD: SM 254				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	13	mg/L	10	10	A Peeples	3/20/2009

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit



STATE OF TENNESSEE **DEPARTMENT OF HEALTH ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL Lab Services - Jackson Regional Lab Jackson, TN 38301 731-426-0686

TDH: Lab Services KRL Lab Services - Knoxville Regional Lab Knoxville, TN 37920 865-549-5201

TDH: Lab Services NCL Lab Services - Nashville Central Lab Nashville, TN 37243 615-262-6300

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Nashville, TN 37243-1534

Michael Atchley TDEC-WPC

Knoxville FO

3711 Middlebrook Pike Knoxville, TN 37921

K00002233 Lab ID:

Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Water Pollution Control

Billing Code:

327.34-20

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

K00002233001 TVA-Ash Spill

Project Name: Sample Description:

Trip Blank Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

Date/Time Collected:

03/19/2009 07:45

Sampler's Name: County:

Larry Everett **ROANE - 73**

Sample Matrix: EFO:

Water

Sampling Agency:

Knoxville TDEC-WPC 327.34-20

Billing Code: Send Report To: Agency Invoiced:

TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received: 03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

:Hq

Chlorine, residual: Conductivity: Temperature: **Dissolved Oxygen:**

Other: Flow:

CFS

TEST: Digestion Metals	MET					
ANALYTE	RESULT	UNITS	MDL MQ	MQL	ANALYZED BY:	DATE
Digestion Metals	03/23/2009				A Bass	3/23/2009

TEST: ICP METHOD: EPA 200.7						
ANALYTE	RESULT UNITS MDL MQL ANALYZED B'					
Iron	4J	μg/L	2.9	10	A Bass	3/26/2009

TEST: ICP-MS	ME	THOD: EPA 20	0.8		,	
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	U	μg/L	6.4	10	M Pattanayek	3/24/2009
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	U	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	U	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	U	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	U	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	U	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	0.78J	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	U	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.19J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	U	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233002

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 12.1

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY012.1RO

Date/Time Collected:

03/19/2009 08:50

Sampler's Name: County:

Larry Everett

Sample Matrix:

ROANE - 73

EFO:

Water

Sampling Agency: Billing Code:

Knoxville TDEC-WPC

Send Report To:

327.34-20 TDEC-WPC

Agency Invoiced: **Priority Date:**

TDEC-WPC

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field	Determinations
рН:	7.19

Chlorine, residual:

Conductivity: 47

uMHQ

pH Units

Temperature: 11.13

Dissolved Oxygen: 10.60

mg/L

Other:

CFS Flow:

TEST: Digestion Metals	METHOD: EPA 200.2					
ANALYTE	RESULT UNITS MDL MQL ANALYZ					DATE
Digestion Metals	03/23/2009				A Bass	3/23/2009

TEST: ICP	METHOD: EPA 200.7					
ANALYTE	RESULT UNITS MDL MQL ANALYZED BY:					
Iron	200	μg/L	2.9	10	A Bass	3/26/2009

TEST: ICP-MS	MET	THOD: EPA 20	0.8			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	110	μg/L	6.4	10	M Pattanayek	3/24/2009
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	24	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	U	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	0.30J	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	1.7	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	0.15J	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	26	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	0.66J	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.11J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	7.0	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233003

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1 Field blank

Sampler Project Name: TVA Ash Spill

Date/Time Collected:

Project Site No.: Station No.:

EMORY002.1RO-FB

Sampler's Name:

03/19/2009 09:47 Larry Everett

County:

ROANE - 73

Sample Matrix: EFO:

Water

Sampling Agency: **Billing Code:**

Knoxville TDEC-WPC 327.34-20

Send Report To: Agency Invoiced: TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

pH:

Chlorine, residual: Conductivity: Temperature: **Dissolved Oxygen:**

Other:

Flow:

CFS

TEST: Digestion Metals METHOD: EPA 200.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	03/23/2009				A Bass	3/23/2009

TEST: ICP METHOD: EPA 200.7						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	3J	μg/L	2.9	10	A Bass	3/26/2009

TEST: ICP-MS	MET	THOD: EPA 200	METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Aluminum	U	μg/L	6.4	10	M Pattanayek	3/24/2009	
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009	
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009	
Barium	U	μg/L	2.5	5	M Pattanayek	3/24/2009	
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009	
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009	
Chromium	U	μg/L	2.0	5	M Pattanayek	3/24/2009	
Cobalt	U	μg/L	0.04	1	M Pattanayek	3/24/2009	
Copper	U	μg/L	0.38	1	M Pattanayek	3/24/2009	
Lead	U	μg/L	0.10	1	M Pattanayek	3/24/2009	
Manganese	0.51J	μg/L	0.42	1	M Pattanayek	3/24/2009	
Nickel	U	μg/L	0.25	1	M Pattanayek	3/24/2009	
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009	
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009	
Thallium	0.07J	μg/L	0.03	1	M Pattanayek	3/24/2009	
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009	
Zinc	4.2J	μg/L	1.9	5	M Pattanayek	3/24/2009	

K00002233004

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.: Date/Time Collected:

EMORY002.1RO 03/19/2009 09:50

Sampler's Name:

Larry Everett

County: Sample Matrix: ROANE - 73

EFO:

Water Knoxville

Sampling Agency: **Billing Code:**

TDEC-WPC 327.34-20 TDEC-WPC

Send Report To: Agency Invoiced:

TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations pH: 7.23

Chlorine, residual:

Conductivity: 80

Temperature: 11.69

Dissolved Oxygen: 11.22 mg/L

pH Units

uMHO

Other:

Flow: CFS

TEST: Digestion Metals	METHOD: EPA 200.2					
ANALYTE	RESULT	ANALYZED BY:	DATE			
Digestion Metals	03/23/2009				A Bass	3/23/2009

TEST: ICP	ICP METHOD: EPA 200.7						
ANALYTE	RESULT UNITS MDL MQL ANALYZED BY: DATE						
lron'	1100	μg/L	2.9	10	A Bass	3/26/2009	

TEST: ICP-MS	MET	HOD: EPA 20	0.8			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	2100	μg/L	128.0	200	M Pattanayek	3/24/2009
Antimony	0.51J	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	10	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	81	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	0.39J	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μ g/L	0.41	1	M Pattanayek	3/24/2009
Chromium	2.8J	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	1.7	μg/L .	0.04	. 1	M Pattanayek	3/24/2009
Copper	5.9	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	3.1	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	73	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	3.3	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	. 5	M Pattanayek	3/24/2009
Silver	U :	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.28J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	11	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	11	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233005

Project Name:

TVA-Ash Spill

Sample Description:

Emory River mile 2.1 duplicate

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

EMORY002.1RO-FD

Date/Time Collected: Sampler's Name:

03/19/2009 09:52

County:

Larry Everett

Sample Matrix:

ROANE - 73 Water

EFO: Sampling Agency: Knoxville

Billing Code:

TDEC-WPC 327.34-20 TDEC-WPC

Send Report To: Agency Invoiced:

TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Iron

Ken Hitchman

TEST: Digestion Metals	METHOD: EPA 200.2

MDL MQL ANALYZED BY: **ANALYTE** DATE RESULT UNITS 03/23/2009 **Digestion Metals** A Bass 3/23/2009

Field Determinations

Dissolved Oxygen: 11.22

Chlorine, residual:

Conductivity:

Temperature:

pH:

Other:

Flow:

2.9

10

A Bass

7.22

11.69

79

pH Units

uMHO

mg/L

CFS

3/26/2009

TEST: ICP METHOD: EPA 200.7 **ANALYTE** MDL MQL **ANALYZED BY:** DATE **RESULT** UNITS

μg/L

1100

TEST: ICP-MS	ME	THOD: EPA 20	0.8			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	1800	μg/L	128.0	200	M Pattanayek	3/24/2009
Antimony	0.46J	µg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	9.1	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	75	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	0.31J	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	2.6J	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	1.5	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	5.1	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	2.9	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	70	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	3.0	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.26J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	11	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	9.2	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233006 TVA-Ash Spill

Project Name: Sample Description:

Ash Treatment Outfall

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.: Date/Time Collected:

03/19/2009 10:05

Sampler's Name: County:

Larry Everett

Sample Matrix: EFO:

ROANE - 73 Water

Sampling Agency:

Knoxville

Billing Code: Send Report To: TDEC-WPC 327.34-20 TDEC-WPC

Agency Invoiced:

TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations pH:

Chlorine, residual: Conductivity: Temperature: **Dissolved Oxygen:**

Other: Flow:

CFS

TEST: Digestion Metals	METHOD: EPA 200.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Digestion Metals	03/23/2009				A Bass	3/23/2009	

TEST: ICP	METHOD: EPA 200.7					
ANALYTE	RESULT UNITS MDL MQL ANALYZED BY: DA1					DATE
Iron	1400	μg/L	2.9	10	A Bass	3/26/2009

TEST: ICP-MS	MET	THOD: EPA 20	0.8			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	1800	μg/L	128.0	200	M Pattanayek	3/24/2009
Antimony	0.80J	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	7.6	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	210	μg/L	5.0	10	M Pattanayek	3/24/2009
Beryllium	0.46J	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	8.5	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	3.3	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	8.8	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	3.1	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	81	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	6.2	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	2.6J	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	0.30	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.81J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	32	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	9.9	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233007

Project Name:

TVA-Ash Spill

Sample Description: Sampler Project Name: TVA Ash Spill

Emory River mile 1.7

Project Site No.:

Station No.:

Date/Time Collected:

EMORY001.7RO 03/19/2009 10:15

Sampler's Name: County:

Larry Everett

Sample Matrix:

ROANE - 73 Water

EFO: Sampling Agency: Knoxville TDEC-WPC

Billing Code: Send Report To: Agency Invoiced:

327.34-20 TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinations

6.93 pH:

Chlorine, residual:

Conductivity: 47

Temperature: 11.12 Dissolved Oxygen: 11 46

Other:

Flow: CFS

pH Units

uMHO

mg/L

TEST: Digestion Metals	MET					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	03/23/2009		· · · · · · · · · · · · · · · · · · ·		A Bass	3/23/2009

TEST: ICP	T: ICP METHOD: EPA 200.7							
ANALYTE	-	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Iron		370	μg/L.	2.9	10	A Bass	3/26/2009	

TEST: ICP-MS	MET	THOD: EPA 20	0.8			
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	. 270	μg/L	12.8	20	M Pattanayek	3/24/2009
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	26	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	U	μg/L	2.0	. 5	M Pattanayek	3/24/2009
Cobalt	0.38J	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	1.2	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	0.37J	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	32	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	0.80J	μg/L	0.25	["] 1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.27J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	· U	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc ,	6.3	μg/L	1.9	5	M Pattanayek	3/24/2009

Lab-Sample Number: K00002233008
Project Name: TVA-Ash Spill
Sample Description: Emory River mile 0.1

Sampler Project Name: TVA Ash Spill

Project Site No.: 4

Station No.: EMORY000.1RO Date/Time Collected: 03/19/2009 10:25

Sampler's Name: Larry Everett **County:** ROANE - 73

Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-WPC
Billing Code: 327.34-20
Send Report To: TDEC-WPC
Agency Invoiced: TDEC-WPC

Priority Date:

Date/Time Received: 03/19/2009 13:50

Received By: Ken Hitchman

Field Determinations
pH: 6.87 pH Units
Chlorine, residual:
Conductivity: 46 uMHO
Temperature: 11.04
Dissolved Oxygen: 11.52 mg/L
Other:
Flow: CFS

TEST: Digestion Metals	etals METHOD: EPA 200.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Digestion Metals	03/23/2009				A Bass	3/23/2009	

TEST: ICP	EST: ICP METHOD: EPA 200.7						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Iron	370	μg/L	2.9	10	A Bass	3/26/2009	

TEST: ICP-MS	ME	METHOD: EPA 200.8				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	270	μg/L	12.8	20	M Pattanayek	3/24/2009
Antimony	U	μg/L	0.33	. 1	M Pattanayek	3/24/2009
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	27	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	2.1J	μg/L	2.0	5	M Pattanayek	3/24/2009
Cobalt	0.35J	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	1.2	μ g/L	0.38	1	M Pattanayek	3/24/2009
Lead	0.37J	μg/L	0.10	1	M Pattanayek	3/24/2009
Manganese	31	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	0.82J	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.15J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	7.3	μg/L	1.9	5	M Pattanayek	3/24/2009

K00002233009

Project Name:

TVA-Ash Spill

Sample Description:

Clinch River mile 2.3 near Hwy 70 bridge

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.: CLINC002.3RO

Date/Time Collected: Sampler's Name:

03/19/2009 10:40

Larry Everett

County:

ROANE - 73

Sample Matrix: EFO:

Water

Sampling Agency: **Billing Code:**

Knoxville TDEC-WPC 327.34-20

Send Report To: Agency Invoiced: TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Field Determinat	ions	
pH:	7.28	pH Units
Chlorine, residua	al:	
Conductivity:	138	uMHO

Conductivity:

138 Temperature: 11.87

Dissolved Oxygen: 11.98

Other:

Flow:

CFS

mg/L

TEST: Digestion Metals	METHOD: EPA 200.2						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Digestion Metals	03/23/2009				A Bass	3/23/2009	

TEST: ICP	METHOD: EPA 200.7						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Iron	350	μg/L	2.9	10	A Bass	3/26/2009	

TEST: ICP-MS	METHOD: EPA 200.8						
ANALYTE	RESULT	RESULT UNITS MDL		MQL	ANALYZED BY:	DATE	
Aluminum	290	μg/L	12.8	20	M Pattanayek	3/24/2009	
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009	
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009	
Barium	33	μg/L	2.5	5	M Pattanayek	3/24/2009	
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009	
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009	
Chromium	U	μg/L	2.0	5	M Pattanayek	3/24/2009	
Cobalt	0.36J	μg/L	0.04	1	M Pattanayek	3/24/2009	
Copper	1.4	μg/L	0.38	1	M Pattanayek	3/24/2009	
Lead	0.41J	μg/L	0.10	1	M Pattanayek	3/24/2009	
Manganese	34	μg/L	0.42	1	M Pattanayek	3/24/2009	
Nickel	1.1	μg/L	0.25	1	M Pattanayek	3/24/2009	
Selenium	U	μg/L	1.3	5	M Pattanayek	3/24/2009	
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009	
Thallium	0.11J	μg/L	0.03	1	M Pattanayek	3/24/2009	
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009	
Zinc	4.2J	μg/L	1.9	5	M Pattanayek	3/24/2009	

K00002233010

Project Name:

TVA-Ash Spill

Sample Description:

Clinch River mile 4.5 near Sugar Grove Valley R Chlorine, residual:

Sampler Project Name: TVA Ash Spill

Project Site No.:

Station No.:

CLINC004.5RO

Date/Time Collected:

03/19/2009 10:50

Sampler's Name:

Larry Everett

County:

ROANE - 73

Sample Matrix:

Water

EFO:

Knoxville

Sampling Agency: **Billing Code:**

TDEC-WPC

Send Report To: Agency Invoiced: 327.34-20 TDEC-WPC TDEC-WPC

Priority Date:

Date/Time Received:

03/19/2009 13:50

Received By:

Ken Hitchman

Other:	
Flow:	CFS

7.75

251

11.56

pH Units

uMHO

mg/L

Field Determinations

Dissolved Oxygen: 12.78

Conductivity:

Temperature:

pH:

TEST: Digestion Metals	METHOD: EPA 200.2					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	03/23/2009				A Bass	3/23/2009

TEST: ICP	METHOD: EPA 200.7						
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Iron	390	μg/L	2.9	10	A Bass	3/26/2009	

TEST: ICP-MS	MET	THOD: EPA 20	0.8		, , , , , , , , , , , , , , , , , , , ,	
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	190	μg/L	6.4	10	M Pattanayek	3/24/2009
Antimony	U	μg/L	0.33	1	M Pattanayek	3/24/2009
Arsenic	U	μg/L	0.93	5	M Pattanayek	3/24/2009
Barium	35	μg/L	2.5	5	M Pattanayek	3/24/2009
Beryllium	U	μg/L	0.11	1	M Pattanayek	3/24/2009
Cadmium	U	μg/L	0.41	1	M Pattanayek	3/24/2009
Chromium	U	μg/Ļ	2.0	5	M Pattanayek	3/24/2009
Cobalt	0.31J	μg/L	0.04	1	M Pattanayek	3/24/2009
Copper	1.2	μg/L	0.38	1	M Pattanayek	3/24/2009
Lead	0.37J	μg/L	0.10	· 1	M Pattanayek	3/24/2009
Manganese	48	μg/L	0.42	1	M Pattanayek	3/24/2009
Nickel	1.2	μg/L	0.25	1	M Pattanayek	3/24/2009
Selenium	U,	μg/L	1.3	5	M Pattanayek	3/24/2009
Silver	U	μg/L	0.03	0.25	M Pattanayek	3/24/2009
Thallium	0.08J	μg/L	0.03	1	M Pattanayek	3/24/2009
Vanadium	U	μg/L	3.4	5	M Pattanayek	3/24/2009
Zinc	3.1J	μg/L	1.9	5	M Pattanayek	3/24/2009

Test: Mercury		Method: I	PA 245.1			
Sample Number	Result	Units	MDL	MQL	Analyzed By	Date
K00002233001	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233002	0.14J	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233003	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233004	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233005	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233006	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233007	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233008	U	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233009	0.056J	ug/L	0.049	0.20	A. Jeffries	3/27/2009
K00002233010	0.079J	ug/L	0.049	0.20	A. Jeffries	3/27/2009